

- b. Push the heat guard forward to disengage the locating tabs from the frame, and remove the heat guard.
14. Install the heat guard and fuel tank by reversing the preceding removal steps while noting the following:
 - a. Replace the fuel tank mounting bolt collars if they are missing or damaged.
 - b. Replace missing or damaged fuel tank dampers or holder bands.
 - c. After installing the fuel hose onto the fuel valve, secure the hose with a hose clamp.

- d. Tighten the fuel tank mounting bolts (**Figure 65**) securely.
- e. Turn the fuel valve on and check for leaks.

FUEL VALVE

Removal/Installation

1. Remove the fuel tank as described in this chapter.
2. Drain the fuel tank of all gas. Store the gas in a can approved for gasoline storage.
3. Remove the screws securing the fuel valve to the bottom of the fuel tank.
4. Remove the O-ring and strainer screen from the fuel valve.
5. Clean the strainer screen in a high-flash point solvent. Replace the strainer screen if it is damaged.
6. Install a new fuel valve O-ring.
7. Install the fuel valve by reversing the preceding removal steps. After installation, check the fuel valve and hose for leaks.

AIR BOX

Removal/Installation

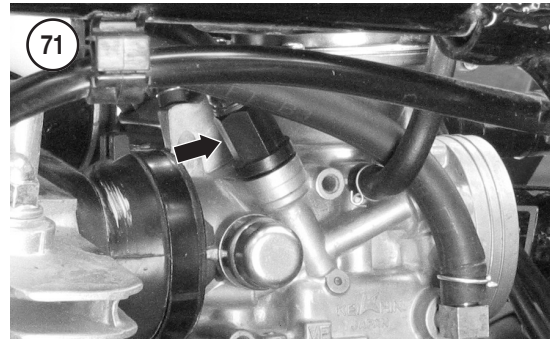
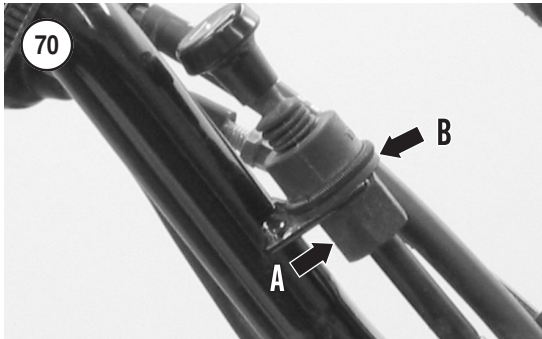
Refer to **Figure 66**.

1. Park the ATV on level ground and set the parking brake.
2. Remove the seat and left side cover (Chapter Fifteen).
3. Disconnect the crankcase breather tube from the air box (**Figure 67**).

NOTE

Refer to Chapter Fifteen for the trim clip disengagement and engagement procedure.

4. Disengage the air duct trim clip (**Figure 63**). Move the duct forward.
5. Loosen the carburetor hose clamp at the air box (A, **Figure 68**).
7. Loosen the intake air duct clamp at the air box (B, **Figure 68**).
8. Remove the air box brace retaining nut (**Figure 69**).
9. Remove the air box assembly.
10. Cover the carburetor opening.



11. Installation is the reverse of the removal steps. Check the air box intake hose for loose parts or other debris before connecting it to the carburetor.

CHOKE CABLE REPLACEMENT

1. Remove the fuel tank as described in this chapter.
2. Make a diagram of the choke cable routing path from the handlebar to the carburetor.
3. Remove any cable guides from the choke cable.
4. Detach the choke cable from the left handlebar as follows:
 - a. Loosen the retaining nut (A, **Figure 70**).

- b. Detach the cable from the bracket (B, **Figure 70**).

5. Loosen the starting enrichment (SE) valve nut (**Figure 71**) and remove the SE valve from the carburetor.
6. Remove the choke cable.
7. Reverse the preceding steps to install the choke cable. Position the cable so it lies in the channel in the heat guard plate. After installation, check the choke operation.

CAUTION

Do not overtighten the plastic SE valve nut.

Table 1 CARBURETOR SPECIFICATIONS

Type	Vacuum piston
Throttle bore size	32 mm (1.3 in.)
Type number	VE94A
Main jet	
Standard	130
High altitude	125
Pilot jet	42
Jet needle clip position	3rd groove from top
Idle speed	1300-1500 rpm
Pilot screw adjustment ¹	1 3/4 turns out
Float level ²	18.5 mm (0.73 in.)
Heater resistance	13-15 ohms

1. Initial adjustment only. See text for procedure and final pilot air screw adjustment.
2. Not adjustable.

Table 2 FUEL TANK SPECIFICATIONS

	Liters	U.S. gal.
2000-2003		
Fuel tank capacity	13.0	3.43
Reserve capacity	3.2	0.85
2004-on		
Fuel tank capacity	13.9	3.67
Reserve capacity	3.1	0.82

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